

## ABSTRACT OF THE DISCLOSURE

A grinder with fast installable/detachable grinding disc, including: a main body; a rotary shaft disposed at bottom end of the main body, a shaft rod of the grinding disc being mounted in the shaft hole of the rotary shaft, whereby the grinding disc is drivable by the rotary shaft; a rotary switch mounted on the main body; a linking device mounted at bottom end of the main body and drivable by the rotary switch; and a detent mechanism mounted in the rotary shaft. When the rotary switch is rotated to drive and move the linking device to a first position, the detent mechanism is moved into the shaft hole of the rotary shaft to fix the shaft rod of the grinding disc in the shaft hole. When the rotary switch is rotated to drive and move the linking device to a second position, the detent mechanism is moved out of the shaft hole of the rotary shaft to release the shaft rod of the grinding disc. Accordingly, the grinding disc is fast replaceable by means of simple operation.